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s	ubstitute for form 1449A/B	PTO		Complete if Known		
	,			Application Number	10/776,687 - Conf. # 3813	
	INFORMATIO	N DISC	CLOSURE	Filing Date	February 10, 2004	
	STATEMENT	BY AP	PLICANT	First Named Inventor	Gregory B. Altshuler	
				Art Unit	3732	
	(Use as many	sheets as ne	cessary) ·	Examiner Name	Not Yet Assigned	
Shee	1 1	of	3	Attorney Docket Number	105090-0236	

		0.00	U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-OD-YYYY	Name of Patentee or Applicant of Cited Occument	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
141	AA	US-1,590,283	06-29-1926	Catlin	
1//1	AB	US-3,261,978	07-19-1966	Brenman	
	AC	US-3,667,454	06-06-1972	Prince	
	AD	US-4,333,197	01-08-1982	Kuris	
	AE	US-4,784,135	11-15-1988	Blum et al.	
	AF	US-4,930,504	06-05-1990	Diamantopoulos et al.	
	AG	US-5,030,090	07-09-1991	Maeda et al.	
	AH	US-5,171,564	12-15-1992	Nathoo et al.	
	Al	US-5,369,831	12-06-1994	Bock .	
	AJ	US-5,561,881	10-08-1996	Klinger et al.	
	AK	US-5,611,793	03-18-1997	Wilson et al.	
	AL	US-5,616,140	04-01-1997	Prescott	
	AM	US-5,658,148	08-19-1997	Neuberger et al.	
	AN	US-5,673,451	10-07-1997	Moore et al.	
<u> </u>	AO	US-5,974,616	11-02-1999	Dreyfus	
<u> </u>	AP	US-6,026,828	02-22-2000	Altshuler	
	AQ	US-6,029,304	02-29-2000	Hulke et al.	
	AR	US-6,056,548	05-02-2000	Neuberger et al.	
	AS	US-6,086,363	07-11-2000	Moran et al.	
	AT	US-6,106,294	08-22-2000	Daniel	
	AU	US-6,135,774	10-24-2000	Hack et al.	
	AV	US-6,290,496	09-18-2001	Azar et al.	
	AW-	US-6,387,353	05-14-2002	Jensen et al.	
	AX	US-6,471,716	10-29-2002	Pecukonis	
	AY	US-6,503,486	01-07-2003	Xu et al.	
	AZ	US-2002/0018754	02-14-2002	Sagel et al.	
M	AA1	US-2002/0081555	06-27-2002	Wiesel	

		FOREI	GN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear Abstract Only	
Indiats*	No.1	Country Code* -Number*-Kind Code* (# known)	MM-OD-YYYY	Applicant of Cited Document		۳
9	BA	CN 1073607 A	06-30-1993	Wang Wenhui		
01	88	DE 198 03 460 C1	08-12-1999	Hauptmann et al.		
	ВС	EP 0 324 120 A1	07-19-1989	Hideo Suyama		
	BD	EP 0 563 953 A2	04-01-1993	Warnke		
	BE	EP 0 593 375 A1	10-15-1992	Levy		
	BF	EP 0 927 544 A2	07-07-1999	Altshuler		
	BG	JP 2174804 A2	07-06-1990	Fukaba Hiroshi	Abstract Only	
	вн	JP 6022871 A2	02-01-1994	Niida Hideyo	Abstract Only	Г
	BI	JP 10014661 A2	01-20-1998	Mogami Kinue	Abstract Only	Г
	BJ	WO 95/10243	04-20-1995	Mendes et al.		
	BK	WO 98/06456	02-19-1998	Chen et al.		
	BL	WO 99/10046	03-04-1999	Biel		Г
T	ВМ	WO 99/43387	02-09-1999	Azar et al.		
M	BN	WO 99/62472	12-091999	Wolf		

Examiner Signature . Date Considered 9/30/05

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Sub	stitute for form 1449A/E	VPTO		Complete if Known		
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11	IFORMATIC	ON DI	SCLOSURE	Filing Date	February 10, 2004	
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Sheet	2	of	3	Attorney Docket Number	105090-0236	

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium; catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	T'
14	CA	SHUMILOVITCH et al, "Influence Of Low Intensity Laser Radiation Upon The Microflora Of Carious Cavities And Root Canal," SPIE Vol. 1984, pp. 215-220 04/1995 141	
0,	СВ	SANDFORD et al., Thermal Effects During Desensitisation of Teeth with Gallium-Aluminum- Arsenide Lasers, University of Queensland Dental School, Periodontology 1994; 15:25-30	
	СС	FORREST-WINCHESTER et al., 'The Effect of Infrared Laser Radiation on Dentinal Permeability in vitro, Department of Dentistry, University of Queensland Dental School, pp. 1-8, 1992	
	CD	POWELL, "Laser Dental Decay Prevention: does it have a future?" SPIE vol. 3192, 1997	
	CE	WESTERMAN et al., "Argon Laser Irradiation Effects on Sound Root Surfaces: In Vitro Scanning Electron Microscopic Observations," Journal of Clinical Laser Medicine and Surgery, Vol. 16, No. 2, pp. 111-115, 1998	
	CF	BLANKENAU et al., " In Vivo Caries-Like Lesion Prevention with Argon Laser: Pilot Study," Journal of Clinical Laser Medicine and Surgery, Vol. 17, No. 6, pp. 241-243, 1999	
	CG	HSU et al., "Combined Effects of Laser Irradiation/Solution Flouride Ion on Enamel Demineralization," Journal of Clinical Laser Medicine and Surgery, Vol. 16, No. 2 pp. 93-105, 1998	
	СН	HiCKS et al., "After Low Fluence Argon Laser and Flouride Treatment," Compendium, Vol. 18, No. 6, June 1997	
	CI	HICKS et al., "Enamel Carries Initiation and Progression Following Low Fluence (energy) and Argon Laser and Fluoride Treatment," The Journal of Clinical Pediatric Dentistry, Vol. 20, No. 1 pp. 9-13, 1995	
	CJ	OLEINIK, et al., "Automatized Securing Definition for Laser Therapy Indications in Case of Non-complicated Caries," SPIE, Vol. 1984, pp.238-244 04/1995 H	
	СК	KAZMINA, et al., "Laser Prophlaxis and Treatment of Primary Cáries," SPIE Vol. 1984, pp. 231-233	
	CL	SOKOLOVA, et al., "Low-Intense Laser Radiation in Complex Treatment of Inflammatory Diseases of Parodontium," SPIE Vol. 1984, pp. 234-237 04/1995 44	
	СМ	PETRISCHEV, et al. "Clinical and Experimental Low-Intensive Laser Therapy in Dentistry, SPIE, Vol. 1984, pp. 212-214	
	CN	MAMEDOVA, et al., "Microbiological Estimate of Parodontis Laser, Therapy Efficiency, SPIE Vol. 1984, pp. 247-249	
	co	KOZLOV, et al., "Lasers in Diagnostics and Treatment of Microdiculation Disorders Under Parodontitis," SPIE Vol. 1984, pp. 253-264	
	СР	KALIVRADZHIYAN, et al., "The Usage of Low Intensity Laser Radiation for title Treatment of the Inflammatory processes of the Oral Cavity Mucosa after Applying Removable Plate Dentures," SPIE Vol. 1984 pp. 225-230	
	CQ	WALSH, "Laser "Curettage": a Critical Analysis," Periodontology/14:4-12, 1993	
T	CR	OZAWA, et al., "Stimulatory Effects of Low-Power Laser Irradiation on Bone Formation in vitro," SPIE Vol. 1984, pp. 281-288	
W	CS	SHIMIZU, et al., "Prospect of Relieving Pain Due to Tooth Movement During Orthodontic	Т

Examiner Date Signature Considered

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTM ENT OF COMMERCE spond to a collection of information unless it contains a valid CMB control number.

Sut	ostitute for form 1449A/B/P	TO		Complete if Known		
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11	<b>NFORMATION</b>	N DI	SCLOSURE	Filing Date	February 10, 2004	
S	TATEMENT	BY /	APPLICANT	First Named Inventor	Gregory B. Altshuler	
				Art Unit	3732	
	(Use as many si	reets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	3	of	3	Attorney Oocket Number	105090-0236	

M		Treatment Utilizing a GA-Al-As Diode Laser, SPIE Vol. 1984, pp. 275-280 04/1995 M	$\Box$
d	CT	PETRISCHEV, et al., "Report on Low Intensity Laser Radiation Usage in Dentistry, SPIE Vol. / 1984, pp. 202-211	
	CL		$\Box$
		International Society for Laser Surgery and Medicine, March 30, 1987	
	CV	SCHINDL, "Does Low Intensity Laser Irradiation Really Cause Cell Damage?" Lasers in Surgery and Medicine Vol. 22, pp. 105, 2001	
	CV		
		Keratinocyte Cultures: Involvement of Reactive Oxygen Species," Lasers in Surgery and Medicine Vol. 29, pp. 212-218, 1998	
	СХ		-
	^	and Chemicals that Modify the Activity of Enzymes in the Plasma Membrane," Lasers in	
		Surgery and Medicine, Vol. 29, pp. 274-281, 2001	
	CY	MAEGAWA, et al., "Effects of Near-Infrared Low-Level Laser Irradiation on Microcirculation,"	
	11	Lasers in Surgery and Medicine, Vol. 27, pp. 427-437, 2000	
	CZ		
24	<b>4</b>	Important Than Total Energy Dose in Photo-Biomodulation of Human Fibroblasts in Vitro,"	
17	1	Lasers in Surgery and Medicine, Vol. 12 pp. 528-537, 1992	
_	I C	MANG, "Effect of Soft Laser Treatment on Wound Healing in the Hamster Oral Mucoee,"	
	l   _	American Society for Laser Medicine and Surgery Abstracts, Chapters 25, pp. 8-8,	
4	CE	ALTSHULER, et al., "Modern Optics and Dentistry," Laser in Dentistry, pp. 283-297, 1995	
0	C	21 ALTSHULER, et al., "New Optical Effects in the Human Hard Tooth Tissues," Lasers and	
		Medicine, Proc. SPIE Vol. 1353, pp. 97-102, 1989	
$\Box$	CE	1 ALTSHULER, et al., "Human Tooth as an Optical Device," SPIE Vol. 1429 Holography and	
$\sqcup$		Interferometry and Optical Pattern Recognition in Biomedicine," pp. 95-104, 1991	
	CF	1 OHBAYASHI, "Stimulatory Effect of Laser Irradiation on Calcified Nodule Formation in Human Dental Pulp Fibroblasts," ABSTRACT J-Endod. 1999 Jan; 25(1): 30-3	
Π	CC	ORCHARDSON, "Effect of Pulsed Nd:YAG Laser Radiation on Action Potential Conduction in Nerve Fibres Inside Teeth in vitro," ABSTRACT J-Dent. 1998 Jul-Aug; 26(5-6): 421-6	
├┼	CH		_
		ABSTRACT Rocz-Akad-Med-Bialymst. 1997; 42(1): 168-76	- 1
H.			
M		Evoked Potential in Conscious Rabbits, ABSTRACT AM-J-Chin-Med. 1997; 25(3-4): 263-71	
	CJ		
—		Applications paper prepared by LJ Walsh, Department of Dentistry University of Queensland.	_
i'		pp1-16. Publication date unknown.	
70		(4 DIALOG ABSTRACT (English Language) of DE 1920803460, Hauptmann, G., et al.	

EXAMINER: tritial if reference considered, whether or not citation is in conformance with MPEP 809. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner	1 A -	Date	9/21/20
		Considered	1/30/05
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